



MIXED METAL OXIDE ANODES

IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM



REV.	Date	Description/Issued for	Prepared	Checked	APP
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TECHNICAL DATA SHEET

SHAPE

TUBLAR

STANDARDS

NACE-TM0108, ASTM-B 338, IGS-M-TP-22

SUBSTRATE

TITANIUM ASTM B338 GRADE 1 OR 2

COATING

MIXED METAL OXIDE IrO_2 / Ta_2O_5

<u>DIMENSION AND WEIGHT</u>		<u>Diameter</u>	<u>Length</u>	<u>Surface Area</u>	<u>Approx. Weight</u>
	TYPE 1 ☐	25mm	1000mm	0.08 m^2	1000g
	TYPE 2 ☐	25mm	500mm	0.04 m^2	500g
	TYPE 3 ☐	32mm	1200mm	0.12 m^2	1700g

CABLE TYPES

Length	According to the Request		
Size	$1 \times 16 \text{ m}^2$		
Insulation/Sheat	XLPE/PVC ☐	PVC/PVC ☐	HMWPE/PVDF ☐

MAXIMUM OUTPUT CURRENT

Environment	TYPE 1 ☐	TYPE 2 ☐	TYPE 3 ☐
Petroleum Backfill	8A.	4A.	12A.
Fresh water	8A.	4A.	12A.
Mud/Brackish water	8A.	4A.	12A.
Sea water	50A.	25A.	75A.

The coating mass shall be sufficient for loading characteristics according to table below for the minimum 25 years of design life.

LIFE TIME

Electrolyte	Maximum Current density, A/m^2
Calcined petroleum coke	100
Fresh water	100
Brackish water	100-300
Sea water	600

With Canister ☐

Length: 120 cm
Diameter: 12 cm
Coke Type: Type 2 (90%)
Coke Weight: 15 Kg
Total Approx. Weight with Anode: 16 Kg

without Canister ☐